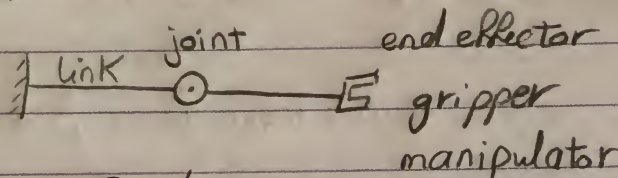
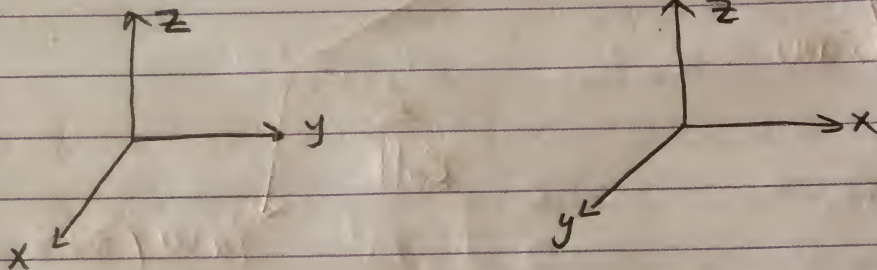


DATE: 22-2-2017

SUBJECT: Be9

## Social Impact

P.12



degree of freedom "DOF"

1. one degree of freedom  $x, y, z$  حركة

2. Two " " "  $x, y, z$

3. Three " " "  $x, y, z$

Translation - linear - prismatic: حركة خطية  $P \updownarrow$

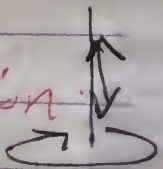
Rotation - revolution: دوران  $R \curvearrowright$

S.14

2P3R → 2 prismatic 3 revolution

3PR → 3 prismatic, 1 revolution

2PR → cylinder 2 prismatic and 1 revolution



Components

arms.

Joints.

sensors.

Control SW.

Humenoid Robot

الروبوت البشري



DATE: \_\_\_\_\_

SUBJECT: \_\_\_\_\_

P.16

تغیر کی وجہ

[ x / y / z  
Roll / Pitch / Yaw

